CATENA

AN INTERDISCIPLINARY JOURNAL OF

GEOMORPHOLOGY - HYDROLOGY - PEDOLOGY

INTERDISZIPLINÄRE ZEITSCHRIFT FÜR

GEOMORPHOLOGIE-HYDROLOGIE-PEDOLOGIE

JOURNAL INTERDISCIPLINAIRE DE

GEOMORPHOLOGIE-HYDROLOGIE-PEDOLOGIE

VOL. 2 1975

CONTENTS

K. KNOBLICH:
ÜBER DEN BÖSCHUNGSWINKEL VON SCHUTTHALDEN 1

H. STICHER, R. BACH, H. BRUGGER & U. VÖKT:
FLUGSTAUB IN VIER BÖDEN AUS KALK, DOLOMIT UND SERPENTIN (Schweizer Jura und Schweizer Alpen) 11

D. GABRIELS & M. DE BOODT:
RELATIONSHIP BETWEEN MOISTURE CONTENT, AGGREGATE FORMATION AND AGGREGATE STABILITY OF A LOAM SOIL TREATED WITH A SOIL CONDITIONER IN VARIOUS CONCENTRATIONS 23

A. J. CONACHER:
THROUGHFLOW AS A MECHANISM RESPONSIBLE FOR EXCESSIVE SOIL SALINISATION IN NON-IRRIGATED, PREVIOUSLY ARABLE LANDS IN THE WESTERN AUSTRALIAN WHEATBELT: A FIELD STUDY 31

P. D. JUNGERIUS:
THE PROPERTIES OF VOLCANIC ASH SOILS IN DRY PARTS OF THE COLOMBIAN ANDES AND THEIR RELATION TO SOIL ERODIBILITY 69

L. J. ZEMAN:
HYDROCHEMICAL BALANCE OF A BRITISH COLUMBIA MOUNTAINOUS WATERSHED 81

E. MÜCKENHAUSEN, H. BECKMANN, D. SCHRÖDER & S. STEPHAN:
RELIKTE VON PALÄOBÖDEN, SPALTEN- UND DOLINEN-FÜLLUNGEN IN CARBONATISCHEN GESTEINEN DER NÖRDLICHEN EIFEL 95

J. J. BIGARELLA:
STRUCTURES DEVELOPED BY DISSIPATION OF DUNE AND BEACH RIDGE DEPOSITS 107

D. KLOTZ:
DAS VERDÜNNUNGSVERFAHREN ZUR BESTIMMUNG DER DURCHLÄSSIGKEITEN PORÖSER MEDIEN GROSSER KÖRNUNG 153

J. SAVAT;
SOME MORPHOLOGICAL AND HYDRAULIC CHARACTERISTICS OF RIVERPATTERNS IN THE ZAIRE BASIN 161

H. J. WALKER:
INTERMITTENT ARCTIC STREAMS AND THEIR INFLUENCE ON LANDFORMS 181

A. BEN-ZVI & O. COHEN:
FREQUENCY AND MAGNITUDE OF FLOWS IN THE NEGEV 193

BOOK REVIEWS 201

M. LEMMENS:
DE L'EXPORTATION DU SODIUM ET DU POTASSIUM PAR LES EAUX DE FUSION D'UN GLACIER ALPIN EN REGION CALCAIRE 203

J. N. JENNINGS:
DESERT DUNES AND ESTUARINE FILL IN THE FITZROY ESTUARY (NORTH-WESTERN AUSTRALIA) 215

A. D. KNIGHTON:
CHANNEL GRADIENT IN RELATION TO DISCHARGE AND BED MATERIAL CHARACTERISTICS 263

J. DE PLOEY & J. MOEYERSONS:
RUNOFF CREEP OF COARSE DEBRIS: EXPERIMENTAL DATA AND SOME FIELD OBSERVATIONS 275

J. MOEYERSONS:
AN EXPERIMENTAL STUDY OF PLUVIAL PROCESSES ON GRANITE GRUSS 289

R. V. RUHE:
CLIMATIC GEOMORPHOLOGY AND FULLY DEVELOPED SLOPES 309

W. J. VREEKEN:
VARIABILITY OF DEPTH TO CARBONATES IN FINGERTIP LOESS WATERSHEDS IN IOWA 321

A. S. ZAKARIA:
THE GEOMORPHOLOGY OF KELANTAN DELTA (MALAYSIA) 337

S. A. HATHOUT & B. BUNTING:
A TENTATIVE RE-EXAMINATION OF THE SOIL CATENA IN THE TYPE AREA OF KWARE, NORTH-WEST TANZANIA 351

H. FÖLSTER & A. GAOUAR:
OBSERVATIONS ON HOLOCENE SOIL FORMATION AND MORPHODYNAMIC ACTIVITY IN NON-CALCAREOUS REGIONS OF THE IBERIAN PENINSULA 365

P. HÖLLERMANN:
FORMEN KAVERNÖSER VERWITTERUNG ("TAFONI") AUF TENERIFFA 385